

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042023\
 Data File : VU053816.D
 Acq On : 20 Apr 2023 19:11
 Operator : JC/MD
 Sample : 02392-12 200X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

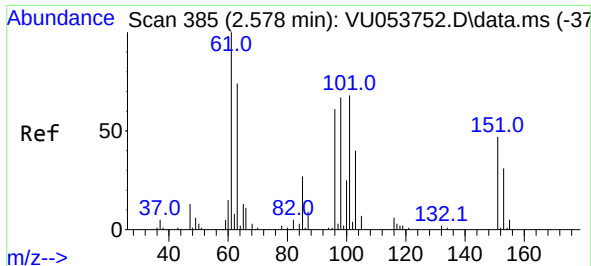
Instrument :
 MSVOA_U
 ClientSampleId :
 BHE32

Quant Time: Apr 21 04:21:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 19 04:58:28 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	134336	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	128797	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	60943	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	45282	4.900	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.000%
7) Chloroethane-d5	1.916	69	37426	4.462	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.200%
11) 1,1-Dichloroethene-d2	2.565	65	18640	4.735	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.600%
20) 2-Butanone-d5	4.636	46	83037	39.222	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.440%
24) Chloroform-d	5.057	84	81304	4.746	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	5.697	65	38811	4.421	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
32) Benzene-d6	5.723	84	168543	4.618	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	6.687	67	50977	4.583	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.893	98	149784	4.350	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
43) trans-1,3-Dichloroprop...	8.176	79	17331	4.061	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.200%
46) 2-Hexanone-d5	8.629	63	67942	39.190	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.380%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	37957	4.100	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	52380	4.777	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.600%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.581	96	1320	0.174	ug/L #	1
22) cis-1,2-Dichloroethene	4.671	96	1606	0.151	ug/L	89
34) Trichloroethene	6.539	95	14750	1.605	ug/L	98
35) Methylcyclohexane	6.687	83	12080	0.766	ug/L #	22
37) 1,2-Dichloropropane	6.690	63	5377	0.590	ug/L #	89
47) Tetrachloroethene	8.549	164	15746	2.332	ug/L	95
48) 2-Hexanone	8.681	43	2213	0.671	ug/L #	63
49) Dibromochloromethane	8.549	129	16200	2.532	ug/L #	12
61) 1,2,3-Trichloropropane	11.806	75	7024	1.391	ug/L #	67

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#12

1,1-Dichloroethene

Concen: 0.174 ug/L

RT: 2.581 min Scan# 31

Delta R.T. 0.003 min

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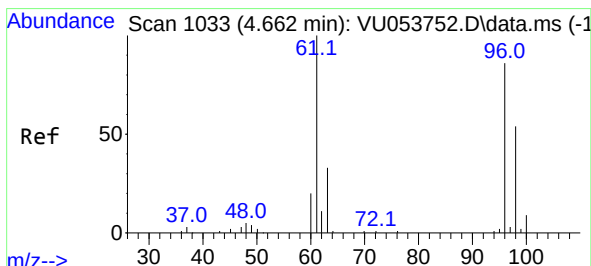
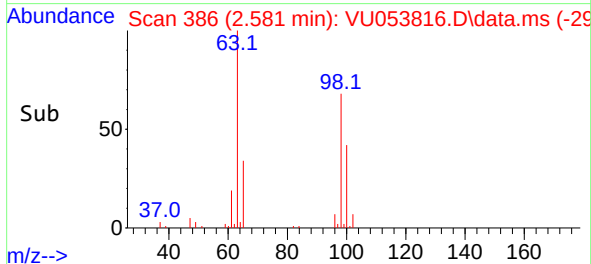
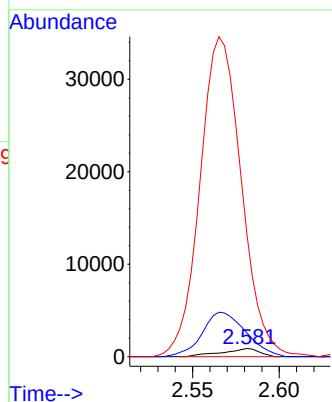
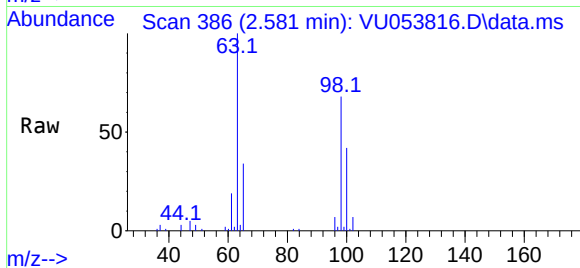
Tgt Ion: 96 Resp: 1320

Ion Ratio Lower Upper

96 100

61 296.7 116.8 216.8#

63 1526.6 88.6 164.6#



#22

cis-1,2-Dichloroethene

Concen: 0.151 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.010 min

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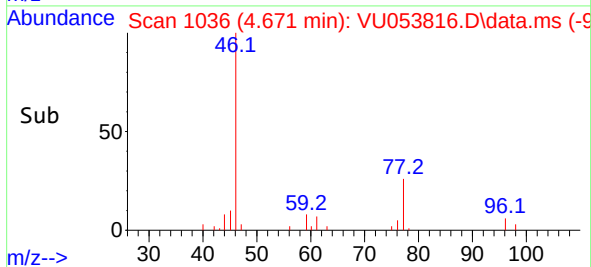
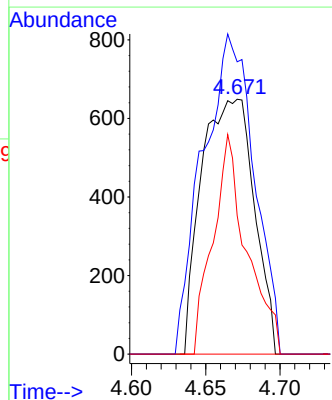
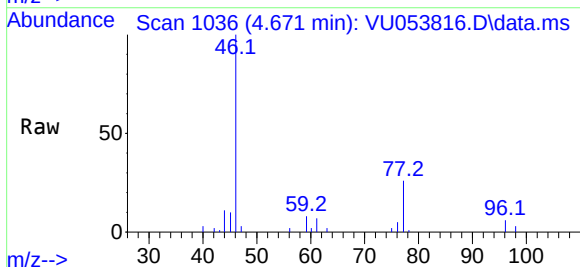
Tgt Ion: 96 Resp: 1606

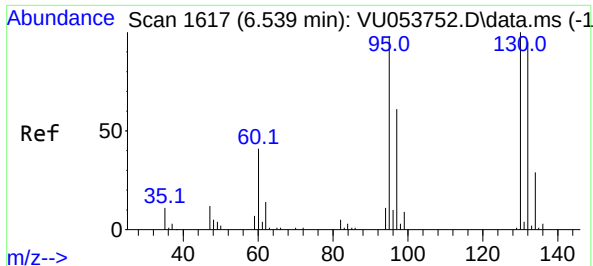
Ion Ratio Lower Upper

96 100

61 114.6 86.6 160.8

98 54.4 47.7 88.5

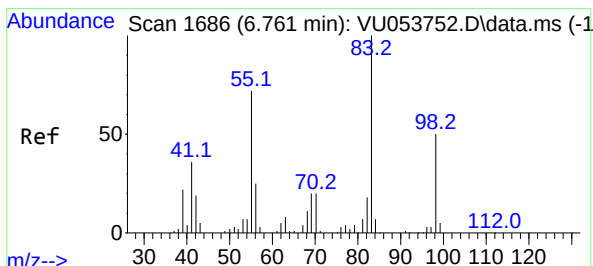
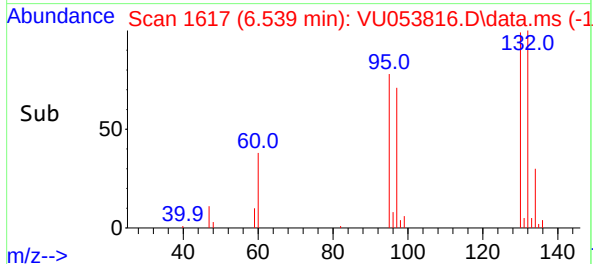
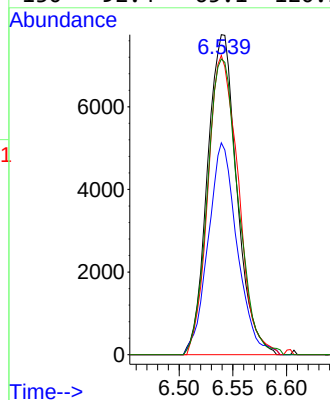
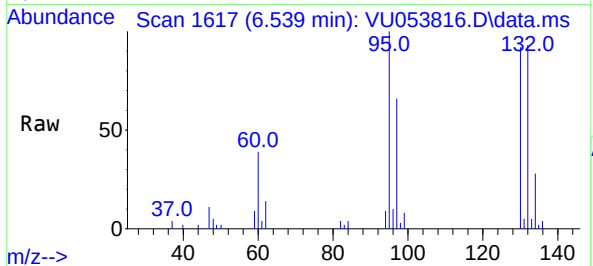




#34
Trichloroethene
Concen: 1.605 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053816.D
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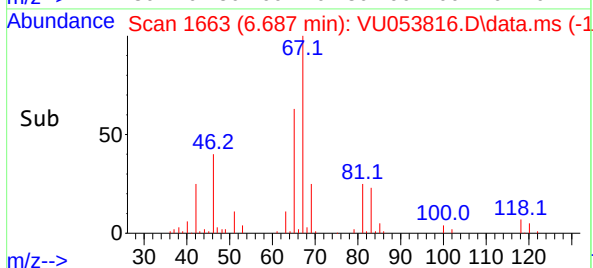
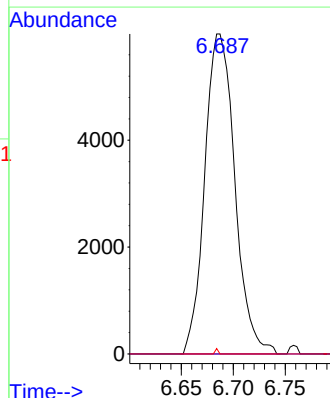
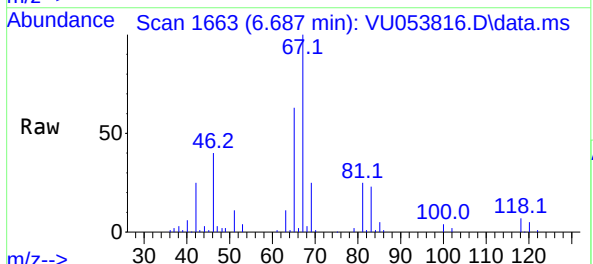
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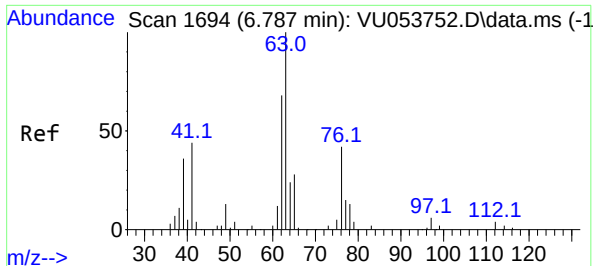
Tgt Ion: 95 Resp: 14750
Ion Ratio Lower Upper
95 100
97 66.2 45.3 84.1
132 93.5 62.8 116.6
130 92.4 65.1 120.9



#35
Methylcyclohexane
Concen: 0.766 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.074 min
Lab File: VU053816.D
Acq: 20 Apr 2023 19:11

Tgt Ion: 83 Resp: 12080
Ion Ratio Lower Upper
83 100
55 0.0 54.9 82.3#
98 0.2 34.9 52.3#

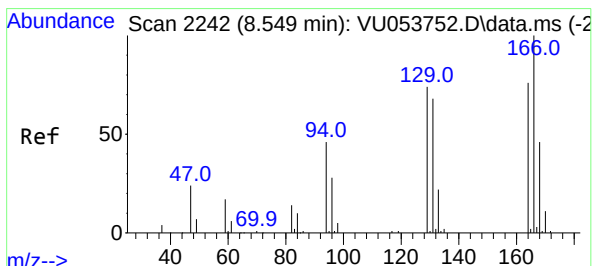
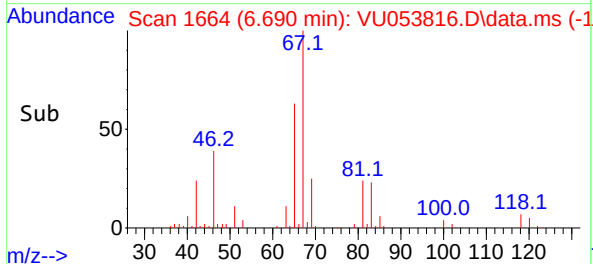
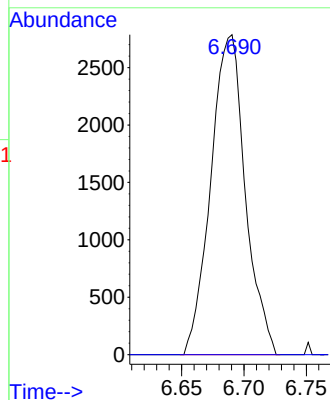
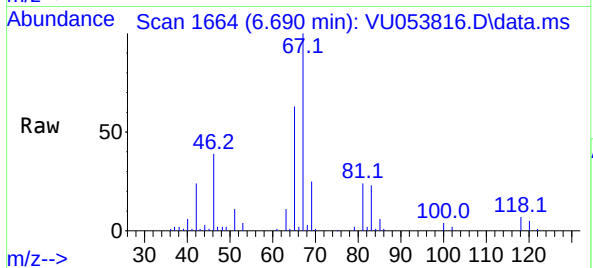




#37
1,2-Dichloropropane
Concen: 0.590 ug/L
RT: 6.690 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU053816.D
Acq: 20 Apr 2023 19:11

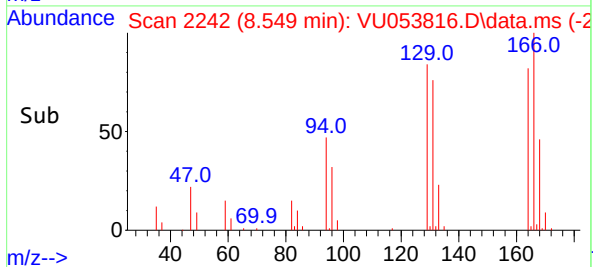
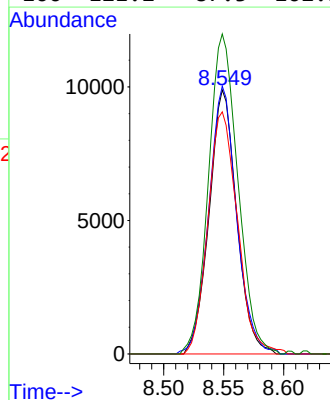
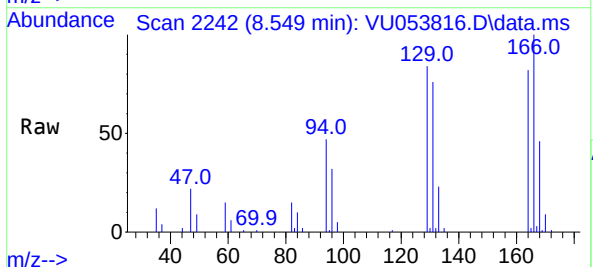
Instrument :
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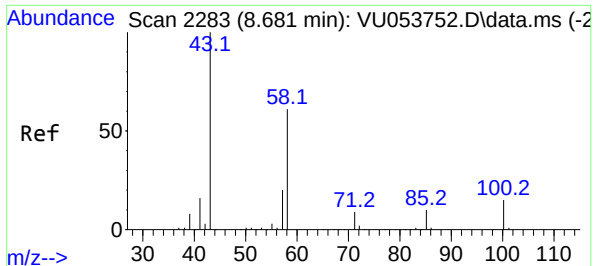
Tgt Ion: 63 Resp: 5377
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



#47
Tetrachloroethene
Concen: 2.332 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053816.D
Acq: 20 Apr 2023 19:11

Tgt Ion: 164 Resp: 15746
Ion Ratio Lower Upper
164 100
129 101.4 74.8 138.8
131 91.7 70.1 130.1
166 121.2 87.3 162.1



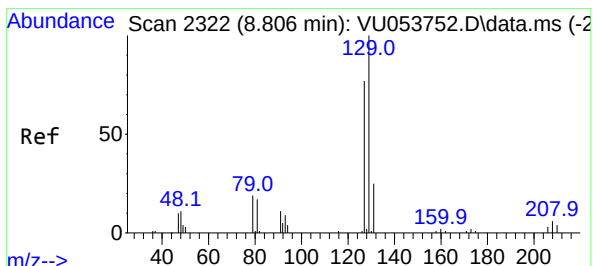
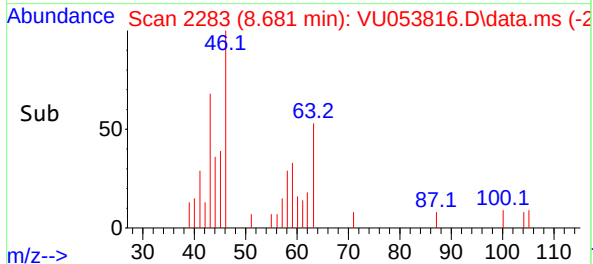
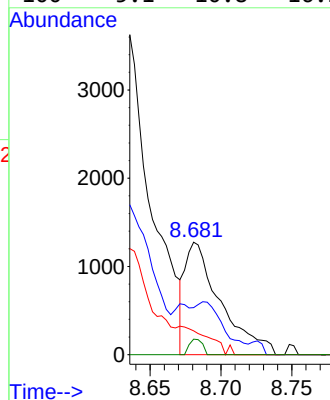
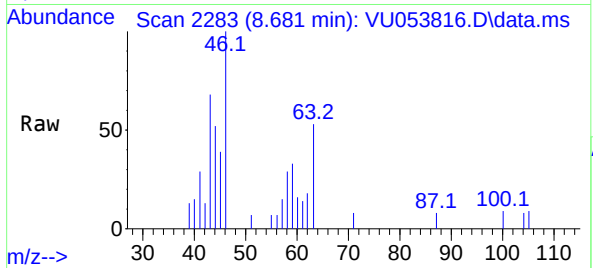


#48
2-Hexanone
Concen: 0.671 ug/L
RT: 8.681 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VU053816.D
Acq: 20 Apr 2023 19:11

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 43 Resp: 2213

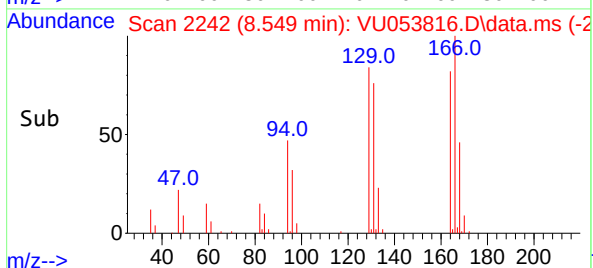
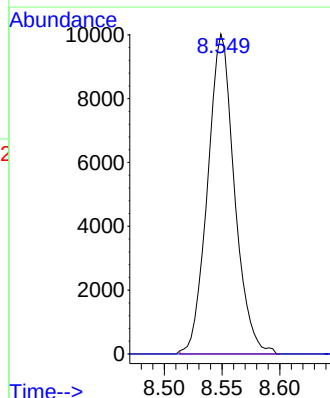
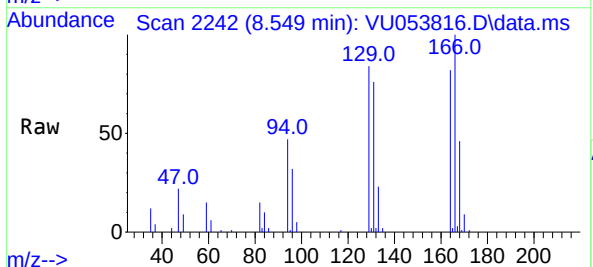
Ion	Ratio	Lower	Upper
43	100		
58	36.2	52.8	79.2#
57	0.0	17.1	25.7#
100	5.1	10.8	16.2#

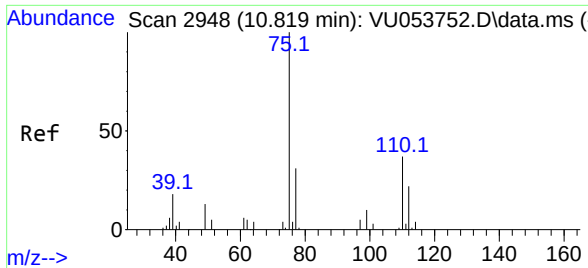


#49
Dibromochloromethane
Concen: 2.532 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.257 min
Lab File: VU053816.D
Acq: 20 Apr 2023 19:11

Tgt Ion: 129 Resp: 16200

Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.2	97.0#





#61
1,2,3-Trichloropropane
Concen: 1.391 ug/L
RT: 11.806 min Scan# 31
Delta R.T. 0.987 min
Lab File: VU053816.D
Acq: 20 Apr 2023 19:11

Instrument :
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Tgt Ion: 75	Resp: 7024
Ion Ratio	Lower Upper
75	100
110	2.9 30.6 46.0#
77	34.5 26.1 39.1

